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30 October 1981

MEMORANDUM FOR THE RECORD

25X1 FROM:

[redacted]
Chairman, ELINT Exploitation Working Group

SUBJECT: Eighth Meeting of the ELINT Exploitation Working Group [redacted]

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1. The Chairman announced that the proposal (attachment 1) originally approved by the members of the working group to use contract support to conduct the Data Collection Phase of the Exploitation Study was unlikely to be funded by the Intelligence Community Staff because of the reductions being made in the staff's FY 1982 budget in the Congress and the high likelihood that the reductions would be sustained. An alternative approach (attachment 2) was presented that substituted direct visits by the working group members for the center-specific questionnaires that were to be developed by the contractor and send out as messages. Because the working group was evenly divided as to whether to adopt the new approach, a revised approach which reduces the need for field visits will be developed. [redacted]

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2. The list of exploitation centers to be included in the exploitation study (attachment 3) was reviewed by the members and the author of the ELINT Data Flow Study and compared with several other lists and will be considered final after review by the DUSD (P) representative. [redacted]

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3. In addition to the Chairman, the attendees were:

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[redacted] DIA

Ronald Polan, DNI

Robert Miller, MAJ USAF, OACS/I, USAF

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Perry Cowgill, LTC USA, OACSI, USA

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[redacted] CIA/NFAC

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[redacted]

Ralph Newsome, IBM

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SUBJECT: Eighth Meeting of the ELINT Exploitation Working Group

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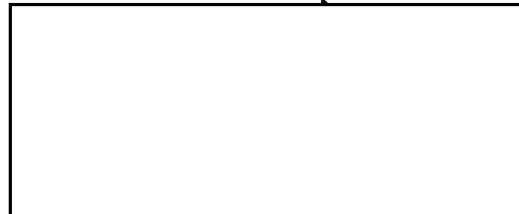
[] announced that he was being returned within NFAC to the Office of Science and Weapons Research from the Collection Requirements Evaluation Staff (CRES) and that his replacement would be [] from CRES. []

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4. Because of the rapid pace of the last two months, memoranda for the record for the fifth, sixth and seventh meetings have not yet been distributed. These are appended as attachments 4 through 6. The agenda for the ninth meeting (attachment 7), the proposed agenda for the tenth meeting (attachment 8) and a list of near term actions (attachment 9) are also included. []

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Attachments: (9)

1. Proposed Agenda
2. Alternative Approaches
3. Selected Exploitation Centers
4. MFR/Fifth Meeting, EEWG
5. MFR/Sixth Meeting, EEWG
6. MFR/Seventh Meeting, EEWG
7. Agenda, Ninth Meeting, EEWG
8. Proposed Agenda, Tenth Meeting, EEWG
9. Near-Term Action

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A Proposed Data Collection and Analysis Strategy
for the ELINT Exploitation Study

This approach would rely on the contractor who conducted the Baseline ELINT Data Flow Study. The contractor would approach data collection for the ELINT Exploitation Study in a very similar manner to an update to the Baseline Study in that the same points of contact would be used and the questions for each exploitation center would be individually fitted to that center and based on the information available from the Baseline Study. The questions must also be designed to allow comparison among exploitation centers.

Task I: Data Collection (October 1981)

- A. Review Baseline Study and other relevant material.
- B. Develop data collection packages for each exploitation center.
- C. Submit packages to EEWG for comment and revise as necessary.
- D. Distribute packages to exploitation centers.

Task II: Preliminary Analysis Phase (November-December 1981)

- A. Follow-up on data collection (resolve ambiguities in responses, clarify questions for exploitation centers, etc.)
- B. Review Collection Impact and Environmental Change Studies in context of Baseline ELINT Data Flow Study to anticipate data exploitation problems (and to identify opportunities--though this is less feasible to do using only these materials).
- C. Update Baseline Study where available documentation will permit.
- D. Design report.

Task III: Analyze Responses (January 1982)

- A. Consolidate and summarize responses by type of problem and type of exploitation.
- B. Summarize exploitation center resource requirements and associated intelligence gains by type of intelligence (threat assessment, operational support, etc.) and level of response (accommodation of collection changes and full and effective use of new information).

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Task IV: Prepare Report (February-April 1982)

- A. Submit draft report to EEWG (by 1 March 1982)
- B. Incorporate comments.
 - 1. EEWG
 - 2. Exploitation Centers
- C. Collect additional data as needed.
- D. Prepare and submit final report (by 1 May 1982).

Task V: Working Group Support (October 1981-June 1982)

- A. Provide briefings and other support to EEWG as directed.

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22 OCT 1981

MEMORANDUM FOR: Members of the ELINT Exploitation Working Group

FROM: [REDACTED]

SUBJECT: Alternative Approaches to the Data Collection Phase

1. The plan originally planned by the ELINT Exploitation Working Group (EEWG) to use contract support for the data collection phase has been confounded by the substantial cuts in external contract support that are being imposed by the House Permanent Select Committee on Intelligence. While these are being appealed, it is unlikely that there will be sufficient funds to provide any support to the EEWG beyond that provided by FY81 funds. Of those two contracts, only the one with [REDACTED] has any money left. [REDACTED]

2. To complete their support of the EEWG, [REDACTED] has agreed to provide detailed written explanations of the qualitative findings that they briefed to us at the last meeting. These explanations will be based on their working notes when that is sufficient. Since the Collection Impact Study was conducted in the reasonable anticipation that FY82 funding would be provided for the second phase, neither [REDACTED] nor I were prepared to have the study stop at this point. If additional contract support funds become available from the IC Staff or elsewhere, this study effort has the highest priority. In completing the work to date, [REDACTED] has already donated a substantial amount of their own resources a substantial amount of their own resources to this study (including five of the six man-days devoted to briefing the study results). [REDACTED]

3. Funding for contract support for the data collection phase is simply unavailable, whatever its priority. The question to consider is whether to proceed with the data collection phase as planned or to revise that plan to allow for the lost contract support. In anticipation of interest in revision, I have developed an alternative plan. [REDACTED]

Stage 1: Present a streamlined revision of the Collection Impact Study to [REDACTED] personnel at a representative S&T center and a representative operational support center (FTD and SAC for example). The purpose would be to determine from them what information about collection changes and with what precision would be needed for the exploitation centers to be able to answer our questions. It would also serve as a test of the clarity and appropriateness of the questions. [REDACTED]

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Stage 2: Revise briefing and questions and visit exploitation centers in Washington area. Revisit SAC or FTD if necessary. These visits could probably continue to be [redacted] yet been approved. [redacted]

Stage 3: Send questions and supporting materials to remaining exploitation centers in CONUS and overseas. This stage can only be implemented after the establishment of the subcompartments. The decision to visit or send messages to these centers could be made best after Stage 2; however, it is unlikely that we will have this much flexibility. Substantial requests for TDY funds need to be made early and 30 days notice is required for overseas visits. [redacted]

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Stage 4: Analyze Responses.

a. Consolidate and summarize responses by type of problem and type of exploitation.

b. Summarize exploitation center resource requirements and associated intelligence gains by type of intelligence (threat assessment, operational support, etc.) and level of response (accommodation of collection changes and full and effective use of new information).

c. Prepare.

Schedule:

Stage 1 - week of 16 November 1981.

Stage 2 - mid-January 1982 to the end of February 1982.

Stage 3 - mid-January 1982 to the end of February 1982.

Stage 4 - all of March 1982.

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Attachment 4

MEMORANDUM FOR THE RECORD

FROM: [REDACTED]
Chairman, ELINT Exploitation Working Group

SUBJECT: Fifth Meeting of the ELINT Exploitation Working Group [REDACTED]

1. The members of the working group reviewed and approved a proposal to use contract support to conduct the Data Collection Phase. This approach would use the ELINT Data Flow Study to develop a separate set of questions for each exploitation center in order to conduct this phase primarily by messages rather than by visits. [REDACTED]

2. The NSA representative presented a briefing on processing concepts for [REDACTED]. The principal change in information to the exploitation centers as a consequence of changes in [REDACTED] processing will be due to the Second Generation Data Processing Upgrade [REDACTED]. No additional changes are expected from the processing modifications for [REDACTED].

3. In addition to the Chairman, the attendees were:

[REDACTED] NSA
[REDACTED], DIA
Ronald Polan, DNI
Philip K. Lavigne, OACSI, USA
Robert Miller, MAJ USAF, OACS/I, USAF
[REDACTED]
Fred Berghoff, ICS/OSC. [REDACTED]

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Attachment 5

MEMORANDUM FOR THE RECORD

FROM:

[REDACTED]
ELINT Exploitation Working Group

SUBJECT:

Sixth Meeting of the ELINT Exploitation
Working Group [REDACTED]

1. On 16 September 1981, the Working Group reviewed the progress of the Collection Impact Study and the Environmental Change Study and established the general content and date for the briefing on the Collection Impact Study. [REDACTED]

2. The difficulty of providing information about future systems outside the [REDACTED] was discussed. Many of the exploitation centers that support operational users do not have [REDACTED] personnel or [REDACTED] storage facilities. It was agreed that because the information needed by the exploitation centers for planning for the changes in ELINT flow in the 1980's is a relatively small subset of the information contained in the [REDACTED] a request should be made to the SIGINT Committee to establish TK subcompartments containing only that information about the ELINT capabilities of the future systems that will affect the ELINT flow and which will eventually be released into the TALENT-KEYHOLE compartment as the systems become operational. That request is appended to this memorandum. [REDACTED]

3. The questions for the exploitation centers were reviewed as revised by the DIA Representatives. They were judged to be suitable for use by the contractor to develop center-specific questionnaires, but a need for additional questions to elicit the gains in intelligence values expected to be obtained from the improved flow of ELINT information and from the exploitation centers' adaptation to the changed flow. [REDACTED]

4. In addition to the Chairman, the attendees were:

[REDACTED] NSA
[REDACTED] DIA
Ronald Polan, DNI
Philip K. Lavigne, OACSI, USA
[REDACTED] Maj, USAF, OACS/I, [REDACTED]
[REDACTED]
[REDACTED] CIA/NFAC [REDACTED]

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9 October 1981

25X1 MEMORANDUM FOR: [redacted]

Chairman, SIGINT Committee

25X1 VIA: [redacted]

Director, Office of Assessment and Evaluation *Put*

25X1 FROM: [redacted]

Chairman, ELINT Exploitation Working Group

SUBJECT:

Distribution of Results of Collection Impact Study
to ELINT Exploitation Centers [redacted]

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1. As part of its preparation for assessing the impact on ELINT exploitation of the changes in overhead ELINT collection programmed to occur through the 1980s, the ELINT Exploitation Working Group (EEWG) has had a study prepared that describes how the ELINT information that the collectors provide to exploitation centers will change through the decade. A list of the parameters necessary to summarize the findings of this study in the form that the EEWG proposes to provide to the exploitation centers are included in Attachment A. [redacted]

2. If in the view of the SIGINT Committee these materials are not releasable in existing [redacted] the EEWG requests that TALENT-KEYHOLE subcompartments be established as appropriate to allow us to disseminate this material to the ELINT exploitation centers that are expected to be most affected by the changes in information. These centers are listed in Attachment B. [redacted]

3. Major changes in the flow of ELINT information are expected in the early part of the decade and many of the changes that will eventually occur may require additional manpower, retraining, new signal analysis equipment, additional software or upgraded ADP capabilities. The lead times necessary to plan, budget, procure and implement such changes are substantial. Hence, early release of sufficient information about the collectors to characterize the changes in ELINT information that will occur is essential for a well managed adjustment to the collection changes. [redacted]

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[redacted]
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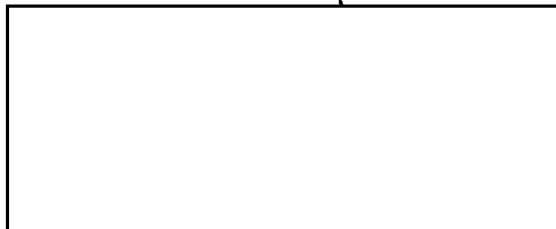
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25X1 SUBJECT: Distribution of Results of Collection Impact Study to ELINT
Exploitation Centers [redacted]

25X1 4. To minimize the sensitivity of the early release of this
information, only information about the ELINT capabilities of the
collection systems will be included in the materials going to the
exploitation centers. If [redacted] 25X1
it is recommended that these subcompartments be similarly restricted, at
least initially. [redacted]

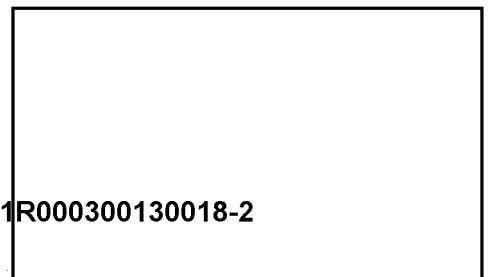
25X1 5. Since this issue must be resolved before the data collection
phase of the ELINT Exploitation Study can proceed, I urge your early
attention to this issue. [redacted]



Attachments: (2)

- A. Findings of the Collection Impact Study
- B. Listing of Exploitation Centers

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Attachment 7

AGENDA

Ninth Meeting of ELINT Exploitation Working Group

1300 Hours, 4 November 1981

Room 4S09, Community Headquarters Building

1. Progress Briefing on Environmental Change Study.
2. Review Draft Plan for the Data Collection Phase.
3. Final Review of Revised Questions for Exploitation Centers.

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Attachment 8

PROPOSED AGENDA

Tenth Meeting of ELINT Exploitation Working Group

1300 Hours, 18 November 1981

Room 4S09, Community Headquarters Building

1. Review Cover Letter announcing the Data Collection Phase.
(U)
2. Review Draft of Collection Impact Statement for Exploitation
Centers. (U)

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Attachment 9

As Revised
30 October 1981

NEAR TERM ACTIONS

- o ICS to Provide:

Revised set of questions to ask of Exploitation Centers in Data Collection Phase.

Deadline: 4 November 1981 (9th Meeting) ☐

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- o ICS to Provide:

Revised Plan for Data Collection Phase.

Deadline: 4 November 1981 (9th Meeting) ☐

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- o ICS to Provide:

A description of the changes expected in the volume and the nature of the flow of ELINT information from the ELINT Collection Mix through 1990 in a form that can be disseminated to the exploitation centers within the proposed ☐

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Deadline 18 November 1981 (10th Meeting) ☐

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- o ICS to Provide:

Description of Changes Expected in the ELINT Environment by 1990 that may Affect Exploitation.

Deadline: Progress Report on 4 November 1981 (9th Meeting)

Draft Report by 2 December 1981 (11th Meeting) ☐

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- o ICS, ☐ to Provide:

Briefing on Collection Impact Study and Support for Establishment of ☐ for ELINT Capabilities to SIGINT Committee.

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Deadline: At the Convenience of the SIGINT Committee. ☐

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